

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
10 February 2005 (10.02.2005)

PCT

(10) International Publication Number
WO 2005/012171 A2

(51) International Patent Classification⁷: **C01B 31/02**

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(21) International Application Number:
PCT/US2004/024338

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(22) International Filing Date: 28 July 2004 (28.07.2004)

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/490,664 28 July 2003 (28.07.2003) US

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(74) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH,

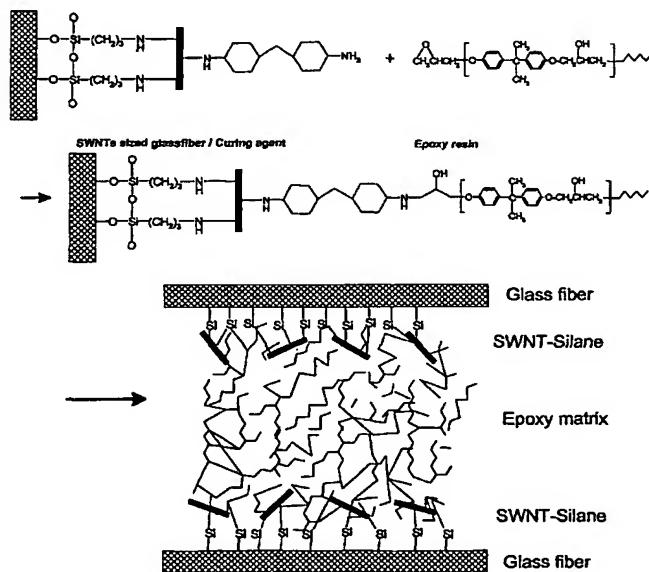
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GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,

[Continued on next page]

(54) Title: SIDEWALL FUNCTIONALIZATION OF CARBON NANOTUBES WITH ORGANOSILANES FOR POLYMER COMPOSITES



(57) Abstract: The present invention is directed to methods of functionalizing carbon nanotubes (CNTs), particularly single-wall carbon nanotubes (SWNTs), with organosilane species, wherein such functionalization enables fabrication of advanced polymer composites. The present invention is also directed toward the functionalized CNTs, advanced CNT-polymer composites made with such functionalized CNTs, and methods of making such advanced CNT-polymer composites.

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SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

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